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(54) ELECTROPHOTOGRAPHIC PLANOGRAPHIC PRINTING PLATE

(57)Abstract:

PURPOSE: To eliminate dot like greasing and improve desensitizing property by containing specific binding resin, and containing nonaqueous solvent dispersed resin grain in a photoconductive layer.

CONSTITUTION: An electrophotographic planographic printing plate contains binding resin A, and nonaqueous solvent dispersed resin grain B in a photoconductive layer.

The binding resin A is a copolymer with polymer components respectively containing a functional group forming a-COOH group and a functional group forming a SO₃ group or the like by chemical reaction processing and a polymer component containing a thermo-and/or photo-setting group as a constituent unit. The nonaqueous solvent dispersed resin grain B contains a polar group such as a carboxyl group and is obtained by dispersing and polymerizing a functional monomer insoluble in a nonaqueous solvent, a-functional monomer containing a silicon atom and/or a fluorine atom, and a functional polymer formed by binding a polymeric double-bond group, expressed by a formula only to one end of a principal chain, under the existence of dispersion stabilizing resin. In the formula, VO is-O-, -COO-, or the like, and a1, a2 are a hydrogen atom, a halogen atom, a hydrocarbon group, or the like.



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